

City of Lowell
Job Description
Please Post: October 26, 2015
Deadline: Open Until Filled
Water Utility
Electrician Gr. B – Master’s License

Job Title: Electrician Grade B-Master's License (2000-77, 2212)
Department: Water Utility
Reports To: City Electrician/Wire Inspector and other designated personnel.
FLSA Status: Nonexempt
Union Status: AFSCME Local 1705
Salary: \$22.5915/hr. (min) to \$26.3193 hr. (max); 40 hrs/week

SUMMARY

Plans layout, installs, and repairs wiring, electrical fixtures, apparatus, and control equipment by performing the following duties.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

Plans new or modified installations to minimize waste of materials, provide access for future maintenance, and avoid unsightly, hazardous, and unreliable wiring, consistent with specifications and local electrical codes.

Prepares sketches showing location of wiring and equipment, or follows diagrams or blueprints, ensuring that concealed wiring is installed before completion of future walls, ceilings, and flooring.

Measures, cuts, bends, threads, assembles, and installs electrical conduit.

Pulls wiring through conduit.

Splices wires by stripping insulation from terminal leads, twisting or soldering wires together, and applying tape or terminal caps.

Connects wiring to lighting fixtures and power equipment.

Installs control and distribution apparatus such as switches, relays, and circuit-breaker panels.

Connects power cables to equipment, such as electric range or motor, and installs grounding leads.

Tests continuity of circuit to ensure electrical compatibility and safety of components with testing instruments such as ohmmeter, battery and buzzer, and oscilloscope.

Observes functioning of installed equipment or system to detect hazards and need for adjustments, relocation, or replacement.

Repairs faulty equipment or systems.

Troubleshoots and repairs faulty wiring, defective equipment and machinery.

Uses common hand tools and electrical test equipment.

Interprets company policies to workers and enforces safety regulations.

Interprets specifications, blueprints, and job orders to workers, and assigns duties.

Establishes or adjusts work procedures to meet production schedules.

Recommends measures to improve production methods, equipment performance, and quality of product.

Suggests changes in working conditions and use of equipment to increase efficiency of shop, department, or work crew.

Analyzes and resolves work problems, or assists workers in solving work problems.

May maintain time and production records.

Estimates, request requisitions, and inspects materials.

Confers with other supervisors to coordinate activities of individual departments.

Sets up machines and equipment.

Performs activities of workers supervised.

Operates various motor vehicle equipment as required for the duties.

Cuts and welds steel structural members.

SUPERVISORY RESPONSIBILITIES

Directly supervises two employees. Carries out supervisory responsibilities in accordance with the organization's policies and applicable laws. Responsibilities may include interviewing and training employees; planning, assigning, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

High school diploma or general education degree (GED); two years related experience and/or training; or equivalent combination of education and experience.

LANGUAGE SKILLS

Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of citizens or employees of organization.

MATHEMATICAL SKILLS

Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals.

REASONING ABILITY

Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

LICENSES

Commercial Driver license with required options; MA Master Electrician License required.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently required to stand; walk; sit; use hands to finger, handle, or feel; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; talk or hear; and taste or smell. The employee must frequently lift and/or move up to 50 pounds and occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, and depth perception.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently exposed to wet and/or humid conditions; moving mechanical parts; high, precarious places; fumes or airborne particles; toxic or caustic chemicals; outside weather conditions; risk of electrical shock; and vibration. The noise level in the work environment is usually moderate.

The City of Lowell is a smoke and drug free employer and requires a physical with drug screen, and CORI post offer.

Qualified individuals should send application/resume with cover letter to the Human Relations Office, Mary Callery, HR Director Room 19 - City Hall, Lowell, MA 01852 by 4:00 PM: Deadline ~ Open Until Filled. Applicants may also send application/resume with cover letter to fax 978-446-7102 or email to cityjobs@lowellma.gov

EOE/AA/504 Employer